

**To:** Kamke, Sherry[Kamke.Sherry@epa.gov]  
**From:** Egan, Robert  
**Sent:** Thur 6/23/2016 3:58:58 PM  
**Subject:** notes from 6/23 tech call for Tower Standard

6/23/2016 Call with Technical Group for the Tower Standard LUST Site

Participants- Kristen Hanson-LDF (K)

Chris Saari- DNR (C)

Dave Larsen-REI (D)

Bob Egan- EPA (B)

**General theme of the call was to give an update on planned field activities for July and the schedules.**

D- MiPHPT work on schedule for start-up on Monday, July 11. Quarterly well sampling is also scheduled for some time in July but the schedule is flexible.

C- Will the MiP work cause any delays in gw sampling? Dave said that it shouldn't as they would use a different crew, but all personnel at the site at the same time might cause some conflicts with moving around and collecting samples.

D asked if any Tribal conflicts or concerns with July. K asked for an SOW. D assumed working with the previous version. C said he will check to make sure that another round is funded and covered by an SOW. K asked that D send info for sampling and D agreed to send.

D- LDF asked for an SOW for the MiP work but he is unsure how to respond since the work is iterative. K said that a brief write-up for the work would be sufficient as long as it describes the activities. C asked if the tribe needs a map of locations. K said it was not necessary since the work locations won't be known until the work begins and subsequent location decisions are made as work progresses. K said that the usual path of QAPP, SOW etc. is not necessary for this

work, just need plans and goals for the activity. D will provide this information.

B- asked D if they will have a chance to talk to Cascade drilling beforehand to discuss where the project will begin and other details of field work. D said that he plans to talk to their tech team in the office to get an idea of where they will start and will follow up with us on any pertinent information.

C asked about the USGS study plans. K said that they plan to start the week of 7/18 and stay until about 8/1. Deployment of the temperature probe will likely occur by Wed. 7/20 and remain in the lake until about 7/27. If they have enough data by then, they will pick sampling locations. They also plan to place a few vertical temp probes into the lake bed to get a temp profile. These might remain in the lake longer than the other sensors. C asked how the data is transferred to the office for analysis. K said that she assumes they will use a satellite transfer similar to what is done at river gauging stations. C stated that he has been in contact with their water program about the need for a permit to place items on a lake bed. K said that tribal issues like this are handled by the Corp of Engineers and that she expects no need for a permit for this type of temporary activity. C agreed that a state permit is likely unnecessary but he may hear back from the water program. (No discussion about jurisdiction occurred.)

D asked about Interim Action funds available to the tribe. B provided some details about what EPA hopes to accomplish with BERS support this summer. C said that the MiP work will be important for them to have and evaluate in relation to use of the money for some type of source control.

C asked if Cascade would be ready to start on Monday July 11. D said he expects them to travel over the weekend and be ready to begin Monday morning. C said that he is available Monday but has a meeting Tuesday and will be unable to be at the site.

B stated that he will be out of the office from 6/27-7/4 but will send an e-mail after the call with contact information to the group.

Call ended 8:35 a.m.

Bob Egan

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